

PRODUCT SERIES: LIBERTY
PRODUCT: LPW100 DIRECT SET (NO SASH) FOR REMODELING AND NEW CONSTRUCTION; RECTANGULAR / GEOMETRIC SHAPED WINDOW
PRODUCT SPECIFICATIONS

FRAME	<ul style="list-style-type: none"> • Head, sill and jamb parts are constructed of 6/4 kiln dried western pine and treated with a water repellent preservative for protection from rot and insects. Jamb, sill and head parts are glued, tenoned and nailed. • Frame thickness: 1-5/16" at jamb, head and sill. • Standard Jamb Depth: 4-9/16" • Available with optional foam wrap for air tight installation. 																																							
EXTERIOR FINISH	<ul style="list-style-type: none"> • Standard pine or optional mahogany and factory primed. 																																							
INTERIOR FINISH	<ul style="list-style-type: none"> • Standard in unfinished natural wood in specified species that can be painted or stained. • Available white primed or prefinished white (pine only). Contact Trimline dealer for custom color details. 																																							
WEATHERSTRIPPING	<ul style="list-style-type: none"> • Not applicable on Direct Set Picture Window 																																							
GLASS	<ul style="list-style-type: none"> • Standard clear 11/16" thick insulating glass, consisting of "double strength" 3mm annealed glass, 7/16" airspace using warm edge dual seal EnerEDGE silicone foam spacer, hermetically sealed with hot melt butyl. Units are set directly into frame from exterior using siliconized caulk. • All insulating glass units meets IGMA and NFRC 706 requirements for seal durability and gas retention as per ASTM E2190, E2188-10 & E2189-10. • Other glazing options include ClimaGuard and ClimaGuard Plus Low E with argon gas, obscure, tempered, laminated, bronze or grey tint. Decorative glass also available. 																																							
GRILLES	<ul style="list-style-type: none"> • Simulated Divided lites (SDL) In a classic putty glazed 5/8", 7/8", 1", 1-1/4" or 1-1/2" wood muntin profile permanently applied to exterior of the insulated glass. Double faced tape is used to apply muntin to the glass which first is prepared with a saline type glass bonding and coupling agent before muntin is applied to help ensure lasting adhesion. An optional between the glass dark bronze shadow bar is available for an authentic true divided lite look. Interior wood in pine (standard) or mahogany matching the interior wood species in either permanent or removable style 5/8" or 7/8" wide divided lite patterns only. Removable style not available in 1", 1-1/4", 1-1/2" widths. • True Divided lites (TDL): Available in 1-1/8" width in pine only. TDL bar has the look of historically accurate true putty glazing. • Removable wood grilles: Available in 5/8" or 7/8" wide classic double stepped profile matching window interior wood species in pine (standard) or mahogany in a wide array of standard or custom divided lite patterns only. • In-glass aluminum "GBG" (grilles between the glass) muntins are available in 5/8" flat profile or 3/4" sculptured profile in all standard exterior cladding color finishes for dust free easy cleaning. Available in either divided lite or diamond patterns. • Combo wood-aluminum: 5/8" flat or 3/4" sculptured in-glass aluminum muntin with either permanently applied (see SDL) or removable wooden interior wood grille in pine (standard) or mahogany. 																																							
ACCESSORIES	<ul style="list-style-type: none"> • A standard zero clearance mull is used for factory mulling of windows without increasing the combined unit dimension of the windows mulled. • Optional 2", 4" and 6" exterior spread mullion covers are also available with internal support blocking; interior wooden mull covers in pine (standard) or mahogany as specified are provided loose. • 11/16" interior wooden jamb extension in pine (standard) or mahogany are factory applied to the perimeter of the window and are available in custom sizes to provide overall jambs depth up to 9". • Brickmoulds available in over a dozen different profiles. 																																							
WARRANTY	<ul style="list-style-type: none"> • Limited 10 year. • 20 years non-prorated on insulating glass. • Non-square, decorative/leaded glass 5 years. 																																							
PERFORMANCE <i>Based on Direct Set VersaFrame Testing</i>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6" style="text-align: center;">Thermal Ratings</th> </tr> <tr> <th style="text-align: center;"><u>Glazing</u></th> <th style="text-align: center;"><u>U-Value</u></th> <th style="text-align: center;"><u>R-Value</u></th> <th style="text-align: center;"><u>SHGC</u></th> <th style="text-align: center;"><u>V.T.</u></th> <th style="text-align: center;"><u>CRF</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Clear</td> <td style="text-align: center;">.47</td> <td style="text-align: center;">2.13</td> <td style="text-align: center;">.64</td> <td style="text-align: center;">.66</td> <td style="text-align: center;">42</td> </tr> <tr> <td style="text-align: center;">ClimaGuard</td> <td style="text-align: center;">.29</td> <td style="text-align: center;">3.45</td> <td style="text-align: center;">.32</td> <td style="text-align: center;">.57</td> <td style="text-align: center;">56</td> </tr> <tr> <td style="text-align: center;">ClimaGuard Plus</td> <td style="text-align: center;">.25</td> <td style="text-align: center;">4.00</td> <td style="text-align: center;">.31</td> <td style="text-align: center;">.56</td> <td style="text-align: center;">46</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">Structural Ratings</th> </tr> <tr> <th style="text-align: center;"><u>Test Specimen</u></th> <th style="text-align: center;"><u>Air Infiltration</u></th> <th style="text-align: center;"><u>Performance Class-Grade</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">32"x60" (812.8mm x 1524.0mm)</td> <td style="text-align: center;"><.01 cfm/ft²</td> <td style="text-align: center;">CW-70</td> </tr> </tbody> </table>	Thermal Ratings						<u>Glazing</u>	<u>U-Value</u>	<u>R-Value</u>	<u>SHGC</u>	<u>V.T.</u>	<u>CRF</u>	Clear	.47	2.13	.64	.66	42	ClimaGuard	.29	3.45	.32	.57	56	ClimaGuard Plus	.25	4.00	.31	.56	46	Structural Ratings			<u>Test Specimen</u>	<u>Air Infiltration</u>	<u>Performance Class-Grade</u>	32"x60" (812.8mm x 1524.0mm)	<.01 cfm/ft ²	CW-70
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TEST STANDARD	<ul style="list-style-type: none"> • NFRC Certified: meets or exceeds rating and labeling requirements as per NFRC 100, 200 and 500 test procedures. • AMMA/WDMA/CSA 101/I.S.2/A440-05 																																							